

WHAT IS CLAIMED IS:

1. A method of controlling a storage system comprising a first storage device having a first storage volume provided at a first site, a second storage device having a second storage volume provided at a second site, and a third storage device having a third storage volume provided at a third site, the storage devices being connected so as to communicate with each other,

wherein the method includes the steps of:

storing a copy of data stored in the first storage volume in the second storage volume at a first time;

writing the copy of data written in the first storage volume into the third storage volume;

storing, in the third storage device, a write history of the data written in the first storage volume as a first differential management table after the first time; and

allowing the third storage device to make contents of the data stored in the second storage volume consistent with contents of the data stored in the first storage volume using the first differential management table and the third storage volume of the third storage device.

2. The method of controlling a storage system according to Claim 1,

wherein the step of storing the write history

of the data written in the first storage volume as the first differential management table after the first time comprises the steps of:

allowing the third storage device to compare time set in a data write request received from the first storage device with the first time; and

allowing the third storage device to store the write history of the data in the first differential management table when the write time set in the data write request received from the first storage device is later than the first time.

3. The method of controlling a storage system according to Claim 1,

wherein the method further comprises a step of allowing the third storage device to store the first differential management table on which the write history of the data written in the first storage volume is recorded after the first time and a second differential management table on which the write history of the data written in the first storage volume is recorded after a second time subsequent to the first time.

4. A storage system comprising a first storage device having a first storage volume provided at a first site, a second storage device having a second storage volume provided at a second site, and a third storage device having a third storage volume provided at a third site, the storage devices being connected so

as to communicate with each other,

wherein the system comprises:

means for storing a copy of data stored in the first storage volume in the second storage volume at a first time;

means for writing the copy of data written in the first storage volume into the third storage volume;

means for storing, in the third storage device, a write history of the data written in the first storage volume as a first differential management table after the first time; and

means for allowing the third storage device to make contents of the data stored in the second storage volume consistent with contents of the data stored in the first storage volume using the first differential management table and the third storage volume of the third storage device.

5. The storage system according to Claim 4, wherein the means for storing the write history of the data written in the first storage volume as the first differential management table after the first time comprises:

means for allowing the third storage device to compare time set in a data write request received from the first storage device with the first time; and

means for allowing the third storage device to store the write history of the data in the first differential management table when the write time set

in the data write request received from the first storage device is later than the first time.

6. The storage system according to Claim 4, further comprising:

means for allowing the third storage device to store the first differential management table on which the write history of the data written in the first storage volume is recorded after the first time and a second differential management table on which the write history of the data written in the first storage volume is recorded after a second time subsequent to the first time.

7. A storage device, comprising:

a storage volume for storing data;

means for storing a write history of data written in the storage volume as a first differential management table after a first time; and

means for storing the write history of the data written into the storage volume as a second differential management table after a second time subsequent to the first time.